

**ABSTRACT OF THE DISCLOSURE**

A fluid flow device in one embodiment comprising a housing having an aperture or a  
5 plurality of apertures therein and in another embodiment a single chamber with a piston  
such as a flexible member forming a chamber and a vibratory member for vibrating the  
flexible member to simultaneously eject an array of laminar flow fluid vortices that coalesce  
with each other to form a larger fluid vortex that can be used for direct cooling or for  
inducing circulation of a cooling fluid within an enclosure to cool the components within the  
10 system. When used within a closed system the inventor provides a zero net flux device as  
the fluid contained within a sealed chamber can be stirred, or mixed, without the introduction  
of fresh fluid from the outside the system.